

**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/393, 956	02/24/95	SOLANKI	D 6010-706

21M1/0410
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EXAMINER

LEDYNH, B

ART UNIT

PAPER NUMBER

2103

DATE MAILED: 04/10/97

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action SummaryApplication No.
08/393,956

Applicant(s)

Solanki et al.

Examiner

Bot LeDynch

Group Art Unit

2103 Responsive to communication(s) filed on Jan 21, 1997. This action is **FINAL**. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims Claim(s) 1-22 (of which claims 1-3 and 19-20 have been canceled) is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

 Claim(s) _____ is/are allowed. Claim(s) 4-18, 21, and 22 is/are rejected. Claim(s) _____ is/are objected to. Claims _____ are subject to restriction or election requirement.**Application Papers** See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948. The drawing(s) filed on _____ is/are objected to by the Examiner. The proposed drawing correction, filed on _____ is approved disapproved. The specification is objected to by the Examiner. The oath or declaration is objected to by the Examiner.**Priority under 35 U.S.C. § 119** Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). All Some* None of the CERTIFIED copies of the priority documents have been received. received in Application No. (Series Code/Serial Number) _____. received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

 Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).**Attachment(s)** Notice of References Cited, PTO-892 Information Disclosure Statement(s), PTO-1449, Paper No(s). _____ Interview Summary, PTO-413 Notice of Draftsperson's Patent Drawing Review, PTO-948 Notice of Informal Patent Application, PTO-152**--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---**

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DETAILED ACTION

1. Claims 4-11 and 21-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Is the vent in claim 1 the same "vent hole" in claim 6? Claims 21-22 depend from cancelled claims.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 4-18 and 21-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Luettgen et al. Luettgen et al discloses the invention substantially the same as claimed: metal base 18 or 47a, wall 12, vent hole 31 or 34, cap 14 or 16, etc. However, the reference does not disclose the walls being polymer and silicon gel. It is well known in the art and/or a matter of design choice that polymer has been used as semiconductor housings and silicon gel as encapsulants. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Luettgen et al by employing polymer for the house 12 and 14, depending on thermal coefficient expansion and other parameters desired in certain applications;

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and by employing silicon gel to encapsulate elements 36 and 32 in order to protect them from harmful environment.

4. Applicant's arguments with respect to claims 4-18 and 21-22 have been considered but are moot in view of the new ground(s) of rejection.

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for response to this final action is set to expire THREE MONTHS from the date of this action. In the event a first response is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event will the statutory period for response expire later than SIX MONTHS from the date of this final action.

6. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

-Ishibashi, Takahashi et al, and Yamanaka are cited for their related inventions.

7. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Bot LeDynh whose telephone number is (703) 308-0225. The Examiner can normally be reached on Mondays-Thursdays from 7:30AM-5:00PM. The Examiner can also be reached on alternate Fridays. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Leo P. Picard, can be reached on (703) 308-0538.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-1782.

April 6, 1997
Bot LeDynh



BOT L. LEDYNH
PRIMARY EXAMINER
GROUP 2100